## AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

## LISTING OF CLAIMS

 (Currently Amended) A high-density read-only optical disc including a Lead-In area, a data area, and a Lead-Out area, comprising:

the Lead-In area including a specific area having a straight pit-shaped line created by repeated marks and spaces <u>such that the same tracking servo operation can be successively</u> performed over the whole data area of the disc,

wherein either one of the mark or the space is recorded with a minimum pit length at least as small as 2T.

- (Original) The disc as set forth in claim 1, wherein the specific area contains principal information of the high-density read-only optical disc.
- 3. (Previously Presented) The disc as set forth in claim 1, wherein the specific area is an area that would correspond in a high-density rewritable optical disc to a PIC (Permanent Information & Control data) area, for permanently storing principal disc information.
- 4. (Original) The disc as set forth in claim 3, wherein the high-density read-only optical disc is a BD-ROM (Blu-ray Disc ROM), and the high-density rewritable optical disc is a BD-RE (Blu-ray Disc Rewritable).
- 5. (Original) The disc as set forth in claim 1, wherein the mark and the space are repeatedly recorded in a predetermined recording period with different unique pit lengths according to a data value representing the recording period.

- 6. (Original) The disc as set forth in claim 5, wherein sum of pit lengths of each pair of the mark and the space is constant, irrespective of a representative data value of the recording period.
- (Previously Presented) A method for reproducing data stored in an optical recording medium, comprising the steps of:
- a) reading, via a same servo operation as is usable to read data recorded in a user information area, data recorded in a Lead-In area in the form of pre-pits having a minimum pit length at least as small as 2T and associated with a bi-phased HFM (High Frequency Modulated) groove; and
  - b) reproducing data recorded in the user information area by referring to the read data.
- 8. (Original) The method as set forth in claim 7, wherein the pre-pits are arranged in the form of a straight line.

## 9. (Cancelled)

- 10. (Currently Amended) The method as set forth in one of claim 7 9, wherein the servo operation is a DPD (Differential Phase Detection) method.
- 11. (Previously Presented) A method for recording data in an optical recording medium, comprising the steps of:
- a) recording data in a Lead-In area in the form of pits having a minimum pit length at least as small as 2T and associated with a bi-phased HFM (High Frequency Modulated) groove such that resulting recorded data is readable by a same servo operation as is useable to read data recorded in a user data area; and
  - b) recording user data in the form of straight pits in the user information area.
- 12. (Original) The method as set forth in claim 11, wherein the pits are arranged in the form of a straight line.

- 13. (Currently Amended) An optical recording medium, comprising:
- a Lead-In area in which data is recorded in the form of straight pre-pits having a minimum pit length at least as small as 2T and associated with a bi-phased HFM (High Frequency Modulated) groove; and

a user information area in which data is recorded in the form of straight pre-pits <u>such</u> that resulting recorded data is readable by a same servo operation as is usable to read data in the Lead-In area.

- 14. (Original) The medium as set forth in claim 13, wherein the pre-pits recorded in the Lead-In area are arranged in the form of a straight line.
- 15. (Original) The medium as set forth in claim 13, wherein the pre-pits recorded in the Lead-In area contain predetermined marks and spaces, and either one of the mark or the space is configured with a minimum pit length.
- 16. (Currently Amended) An apparatus for reproducing data stored in an optical recording medium, comprising:

a servo unit for reading data recorded in a Lead-In area in the form of straight pre-pits having a minimum pit length at least as small as 2T and associated with a bi-phased HFM (High Frequency Modulated) groove, and reading data <u>using the same operation as used in the Lead-In area to read data</u> recorded in a user information area in the form of straight pre-pits by referring to the data read from the Lead-In area; and

a control unit for controlling the servo unit.